

INSTALLATION TOOL FOR AEROSPACE FASTENING SYSTEM

ABSTRACT OF THE DISCLOSURE

5 A system, for installation of fastening systems to a structure, includes
a fastening system installation specification, which includes dimensional and
qualitative requirements for components of the fastening systems; and a tool.
The tool includes an outer housing having an interior hollow, a gage surface,
and a base surface, the base surface having a contact area that contacts the
10 surface of the structure. An inner plug disposed within the interior hollow
translates axially within the interior hollow. The inner plug has a sensing end
that contacts a bolt of the fastening system and references the shank section of
the bolt. The inner plug has an indicator end dimensioned to accept washers
and nuts of the fastening system stacked on the gage surface. The inner plug
15 has an indicator that provides installation information, according to either
qualitative or dimensional requirements, about the components of the fastening
system being installed using the tool.